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(54) Title: TELECOMMUNICATIONS SYSTEMS

(57) Abstract: A reference frequency generator circuit for a radio frequency transmit and receive apparatus comprises: a first voltage controlled oscillator which is operable to produce a first reference frequency signal, a second voltage controlled oscillator which is operable to produce a second reference frequency signal, a switchable set of dividers, connected to receive the first and second reference frequency signals, and operable to produce a set of output reference frequency signals therefrom, a first subset of the set of output reference frequencies being derived from the first reference frequency, and a second subset of the set of output reference frequency signals are not equal in frequency to the output reference frequency signals in the set of output reference frequency signals.

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